

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A rotary compressor comprising:
a rotation mechanism including a cylinder having an annular cylinder chamber;
a driving mechanism arranged to drive the rotation mechanism;
a casing containing the rotation mechanism and the driving mechanism;
an annular piston disposed in the cylinder chamber to be eccentric to the cylinder, the annular piston dividing the cylinder chamber into an outer compression chamber and an inner compression chamber; and
a blade disposed in the cylinder chamber to divide each of the inner and outer compression chambers into a high-pressure side and a low-pressure side, the rotation mechanism compressing a fluid by relatively rotating the cylinder and the piston,
one of the inner and outer compression chambers being a low-stage side compression chamber arranged to compress for compressing a low-pressure fluid into an intermediate-pressure fluid, and the other of the inner and outer compression chambers being a high-stage side compression chamber arranged to compress for compressing the intermediate-pressure fluid compressed in the low-stage side compression chamber into a high-pressure fluid,
the casing having an intermediate-pressure space into which the intermediate-pressure fluid compressed in the low-stage side compression chamber is introduced, with the driving mechanism being disposed in the intermediate-pressure space, and
the casing having a gas injection pipe connected to the casing that is configured to accommodate gas that is injected into the intermediate pressure space.
2. (Previously Presented) The rotary compressor of claim 1, wherein
the outer compression chamber serves as the low-stage side compression chamber,
and the inner compression chamber serves as the high-stage side compression chamber.
3. (Cancelled)

4. (Currently Amended) The rotary compressor of claim 1, wherein further comprising
a rotation speed of the driving mechanism is for driving the rotation mechanism, and a rotation speed of the driving mechanism being variably controlled.

5. (Currently Amended) The rotary compressor of claim 1, wherein further comprising
a casing containing the rotation mechanism, the casing has forming an intermediate-pressure space into which the intermediate-pressure fluid compressed in the low-stage side compression chamber is introduced and a high-pressure space into which the [[a]] high-pressure fluid is introduced,

the high-pressure fluid is intermediate-pressure space being obtained by compressing, in the high-stage low-stage side compression chamber, the intermediate-pressure fluid contained in the intermediate-pressure space and discharged from the low-stage high-stage side compression chamber.

6. (Previously Presented) The rotary compressor of claim 5, wherein the intermediate-pressure space is formed below the high-pressure space, and the casing includes an oil return passage through which the high-pressure space communicates with the intermediate-pressure space.

7. (Currently Amended) The rotary compressor of claim 1, wherein further comprising
a driving mechanism for driving the rotation mechanism, the driving mechanism including includes a stator, a rotor, and a drive shaft coupled to the rotor,
the drive shaft including an eccentric part that is eccentric from a center of rotation, the eccentric part being coupled to the rotor, and a part of the drive shaft located at both axial sides of the eccentric part being supported via bearing parts in the casing.

8. (Previously Presented) The rotary compressor of claim 1, wherein the piston is C-shaped to form a gap, the blade extends from an inner peripheral wall surface of the cylinder chamber to an outer peripheral wall surface thereof and passes through the gap of the piston, and the gap has a swing bushing contacting the piston and the blade therein such that the blade is reciprocable and the blade is swingable relative to the piston.